

MANUAL COMPACTION HAMMER VERIFICATION PROCEDURE #6

Revised 4/25/2002

Equipment Checked: **MANUAL HAMMER (AASHTO T 99) (AASHTO T 180)**

Purpose:

This method provides instructions for checking the critical dimensions of the proctor hammers.

Inspection Equipment Required:

1. Calipers readable to 0.001 inch.
2. Tape measure readable to 1/16 inch.
3. Balance, capacity 5 kg, readable to 1 g.

Tolerance:

Equipment shall meet the dimensional tolerances specified in the applicable test method.

Procedure:

1. Measure and record the diameter of the rammer face determined by taking two readings 90° apart using the calipers.
2. Pull up the handle, measure and record the drop height of the hammer. Determine this height inside the guide-sleeve using the tape measure.
3. Remove the hammer from the guide-sleeve. Determine and record its mass to the nearest 1 g.
4. Measure and record the diameters of the vent holes near the end of the hammer.

EQUIPMENT CALIBRATION RECORD

Calibration Procedure No. 6 Manual Hammer (AASHTO T 99 & AASHTO T 180)

Date:	Calibrated by:
Previous Calibration Date:	Next Due:
Frequency: 12 months	
Action Recommended: Repair _____ Replace _____ None _____ Other _____	
Calibration Equipment	Serial Number
Calipers readable to 0.001"	
Balance, 5 kg. capacity readable to 0.1g	
Measuring tape readable to 1/16"	

				Vent Holes		
ID#	Rammer Diameter	Wt.	Drop	Number	>3/8"	Distances from Ends
	#1 #2					
	#1 #2					
	#1 #2					
	#1 #2					

Diameter		Fall	Weight
T-99	1.985 - 2.010"	12± 1/16"	5.48 - 5.52 lb.
T-180	1.985 - 2.010"	18± 1/16"	9.98 - 10.02 lb.

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